

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: Approval of Purchase: High School
Technology Infrastructure Upgrades

ITEM NO: 8E

PREPARED BY: Andrea Bengier, Assistant Superintendent for Instruction and Technology *AB*

MEETING: May 25, 2004
ACTION DATE: May 25, 2004

Dave Mirra, Director of Instructional Technology and Information Services *DM*

Mike Ballard, Technology Supervisor *MB*

ACTION REQUESTED BY THE SUPERINTENDENT: That the Stafford County School Board approve the purchase of Server Storage Upgrades and Main Local Area Network Core Switches to upgrade the High School Local Area Networks (LAN) to meet current and future needs, and to purchase a main Wide Area Network (WAN) Core Switch and Internet Router to allow for planned growth of the division WAN. Total estimated cost of this purchase will be \$267,343.79.

KEY POINTS:

- These upgrades are as laid out in the schedule outlined in the Stafford County 2004 - 2010 Integrated Technology Plan (ITP), and are necessary both to maintain reliability and expandability of the high school LANs and the SCPS WAN.
- The Main WAN Internet Router at CFHS is the single point of entry for 70% of SCPS World Wide Web traffic. The unit is beyond vendor End-of-Life (meaning parts are no longer being manufactured and are therefore much more expensive) and is requiring increasingly frequent maintenance and repair. (DISYS, VA State Contract: \$10,903.20 (\$10,164.00 plus \$739.20 Annual Support Contract))
- The Server Upgrades are necessary to improve student/staff file storage and to eliminate outdated server software at all high schools in preparation for planned computer upgrades laid out in the Integrated Technology Plan at some future date. (CDW-G, VA State Contract, \$57,644.94)
- Future expansion at BP, SS and NS High Schools (wireless mobile labs, added computers) as planned in the SCPS ITP require significantly improved network capacity over current designs. New advanced-design core network switches (as proven by the CFHS pilot program last winter) will alleviate problems associated with planned growth and will significantly improve system speed and reliability. (GTSI, Federal U.S. Communities Contract, \$150,231.35: (\$139,173.65 plus \$11,057.70 Annual Support Contract))
- Planned design improvements in the WAN necessary to support CIP-planned school construction (5 - 8 new schools within 5 years) will require a new WAN core switch to accommodate the increased Internet bandwidth needs. GTSI, Federal U.S. Communities Contract, \$27,200 plus \$4,425.10 Annual Support Contract; DISYS, VA State Contract: \$16,200.00 plus \$739.20 Annual Support Contract)

SCHOOL BOARD GOAL: 2. Integrate technology in support of all instruction.

FUNDING SOURCE:

<u>Contractor/Vendor</u>	<u>Funding Source (Local Funds)</u>	<u>Amount</u>
DISYS	Technology Infrastructure	\$26,364.00
DISYS	Equipment Maintenance Contracts	\$1,478.40
CDW-G	Technology Infrastructure	\$57,644.94
GTSI	Technology Infrastructure	\$166,373.65
GTSI	Equipment Maintenance Contracts	\$9,953.95
GTSI	Purchased Services	\$5,528.85

AUTHORIZATION REFERENCE: Stafford County Public Schools Integrated Technology Plan (2004-2010)